

1500 GPH

TWPS

Tactical Water Purification System



Tactical Water Purification System

The 1500 TWPS is capable of supplying 1500 gallons per hour (GPH) of potable drinking water for Division and Brigade Ground Units within remote areas. In addition it will provide quality water support to civilian agencies or host nations for disaster relief, humanitarian efforts, and peacekeeping missions.

Operational Concept

Purifies up to 1500 GPH from any water source, including:

- Fresh water
- Brackish water
- Sea water
- Fresh water contaminated with Nuclear Biological or Chemical (NBC) Agents.



Extremely mobile, the 1500 TWPS is capable of multiple operational configurations, such as skid, trailer, truck, and container roll-on/roll-out platform (CROP), allowing it to support ground, amphibious, airmobile, and airborne units throughout the spectrum of conflict in peace and war.

System Includes

Basic unit plus supplemental kits:

- Cold weather
- Chemical cleaning wastewater storage
- Potable water storage and distribution

Contact Information

PM PAWS

www.tacom.army.mil/dsa/pmtaws/pm_paws
COM: (810) 574-4200 DSN: 786-4200
FAX: (810) 574-3988

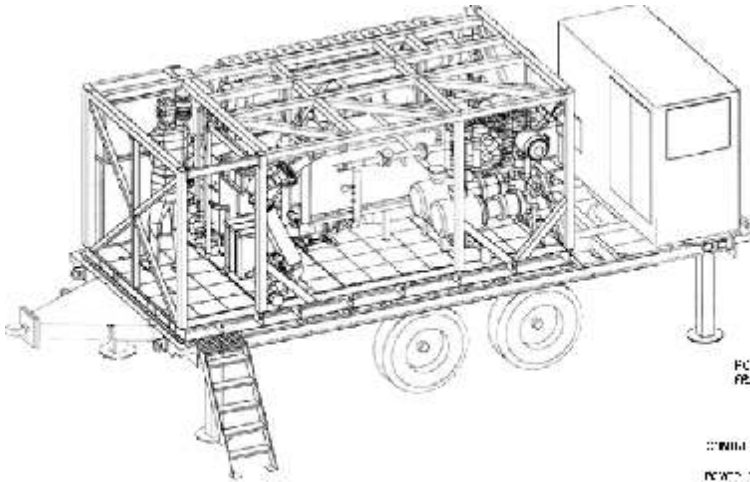
PAWS Help Line

pawshelp@tacom.army.mil
COM: (810) 574-4143 DSN: 786-4143

QUARTERMASTER

www.quartermaster.army.mil



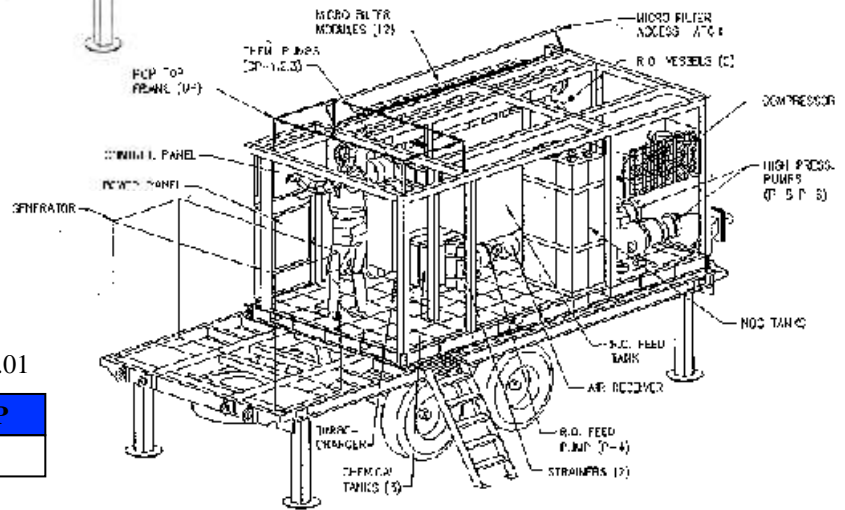


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PROGRAM STATUS: Phase II – EMD 00.01

LIN	NSN	SSN	BOIP
Z97761	N/A	R05600	N/A



Transportability

- C-130 transportable
(Marine Corp & Army configuration)
- Transported by HEMMT LHS or PLS
(Army configuration)
- Operational Platforms
(Skid, trailer, truck, CROP)

Environmental Conditions

Storage	-28°F to 160°F
Operation	-25°F to 120°F

Performance

Water quality standards.....	Tri-service standards (TB MED 577)
Flow rate.....	1200 GPH at 45,000 mg/l TDS 1500 GPH at 1000 mg/l TDS
Reliability.....	150 hr MTBF
Maintainability.....	1 hr MTTR UMD 2 hr max TTR 90% UMDs
Interchangeable pumps.....	Raw/Distribution
Intake systems.....	100 ft horizontal, 50 ft vertical
NBC survivability.....	HAEMP Decontaminable MOPP 4 compatible

Dimensions

- **System Length x Width x Height**
(System to fit ISO Container) 20 L x 8 W x 8 H ft
- **System Weight** 10,000 lb
- **Total System Weight** 25,000 lb
(Basic system plus CROP, generator set, add-on kits)